

Correct temperature reading

The temperature sensor encased in the black sheath is very accurate. Having set the desired temperature on the thermostat and positioned the sensor in its required location the temperature of the air will be controlled accurately at the position of the temperature sensor.

The temperature nearer the heater (from the sensor position) will be hotter and further away from the heater it will be cooler. Please note that when using a thermometer to check the temperature that unless it is in exactly the same position as the thermostat sensor there will be a discrepancy due to the positioning of the thermometer.

Warranty

Used in accordance with these instructions this thermostat will give many years of trouble free service.

The thermostat is guaranteed for five years from the date of purchase against faulty parts and workmanship. In the unlikely event of a failure, return it to Microclimate International Ltd and together with a receipt or proof of purchase and a brief description of the fault. If returned within one year there will be no charge, after this time a charge of £5 will be made for administration and postage. Please enclose a cheque or postal order made payable to Microclimate International. Cash is also accepted.

No liability is accepted other than for the repair or replacement of a faulty product.

This does not affect your statutory rights.

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B2 Thermostat User Guide

IMPORTANT - TO ENSURE CORRECT OPERATION OF YOUR **B2** THERMOSTAT
PLEASE READ THE GUIDE BEFORE COMMENCING INSTALLATION



B2 Thermostat

The **B2** Thermostat is designed to give precise microprocessor controlled temperature of non light emitting heat sources up to 600 watts. This may include heatmats and ceramics. The heater must be a minimum of 5 watts.

The **B2** is a pulse proportional thermostat which pulses the power to the heat source. For this reason pulse proportional thermostats are not suitable for light emitting heaters i.e bulbs.

**WARNING DO NOT OVERLOAD YOUR THERMOSTAT BY CONNECTING
HEAT SOURCES WITH OUTPUTS GREATER THAN 600 WATTS.
DAMAGE CAUSED BY MISUSE IS NOT COVERED BY THE WARRANTY.**

Installing your B2 Thermostat

Find a suitable location for the thermostat to be located on the outside of the vivarium ensuring sufficient cable is available for the sensor.

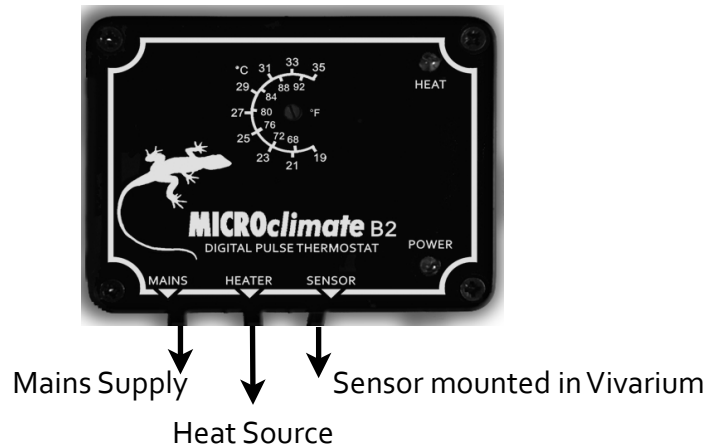
The sensor should be installed inside the vivarium at least 225mm (9 inches) away from the heat source. This is to ensure that the sensor is measuring the air temperature. The sensor should be in free air and not fixed to the wall of the vivarium as this will not give a correct reading to the thermostat. Ensure the sensor is at least 10cm from the side walls of the vivarium.

However if you are controlling a heatmat installed underneath a layer of substrate inside the vivarium then we recommend that the sensor be placed under the substrate directly on top of the heatmat. This allows direct control of the heatmat.

Connect the mains cable from your heat source to the heater socket on the thermostat using a suitable mains plug fitted with a 3 amp fuse.

Connect the mains cable from the thermostat to your mains supply. Please note the mains plug is fitted with a 3 amp fuse.

The mains cable fitted to the thermostat is colour coded as follows
BROWN - LIVE BLUE - NEUTRAL GREEN/YELLOW - EARTH

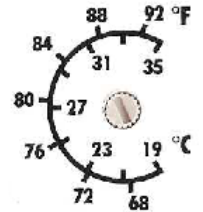


Operating your B2 Thermostat

The thermostat temperature is factory set to 19 degrees Celsius, this is fully anti-clockwise on the temperature dial.

To adjust the temperature use a small flat bladed screwdriver and rotate the temperature adjuster clockwise until the slot is aligned with the required temperature on the scale.

A thermometer should ALWAYS be used to check the temperature within the vivarium and the thermostat then adjusted to give the required temperature for your pets environment.



The green LED is a power on indicator and will be lit when the thermostat is connected to the mains supply.

The yellow LED on the thermostat indicates power being sent to the heater. If the temperature that has been set requires full power from the heater then the LED will be on all the time. If the power required is only half power then the LED will be on for the same time that it is off. If no power is required the yellow LED will be off. The thermostat can vary the power pulses from zero to continuous resulting in extremely accurate and stable temperature control.

If the yellow LED remains on full brightness for prolonged periods this would indicate that a higher wattage heater may be required to achieve the temperature that has been set.

A vivarium should be set up to allow a temperature gradient. The heater should be at one end with the sensor in the centre of the vivarium. This will allow a Hotter area, Controlled area and a Cooler area.

